

## RAW SEQUENCE LISTING

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,471A

| Figure | Panel | Variable | Value | Unit |
|--------|-------|----------|-------|------|
| Fig. 1 | a     | Mean     | 1.0   | mm   |
|        |       | SD       | 0.5   | mm   |
|        |       | Min      | 0.0   | mm   |
|        |       | Max      | 2.0   | mm   |
| Fig. 2 | b     | Mean     | 1.0   | mm   |
|        |       | SD       | 0.5   | mm   |
|        |       | Min      | 0.0   | mm   |
|        |       | Max      | 2.0   | mm   |
| Fig. 3 | c     | Mean     | 1.0   | mm   |
|        |       | SD       | 0.5   | mm   |
|        |       | Min      | 0.0   | mm   |
|        |       | Max      | 2.0   | mm   |
| Fig. 4 | d     | Mean     | 1.0   | mm   |
|        |       | SD       | 0.5   | mm   |
|        |       | Min      | 0.0   | mm   |
|        |       | Max      | 2.0   | mm   |

[illegible]

Input Set : A:\p02329.app

Output Set: N:\CRF4\03142003\J017471A.raw

3 <110> APPLICANT: Takano, Eriko  
4 <111> BIRTH: Mervyn  
5 <120> TITLE OF INVENTION: Antibiotic Production  
6 <120> FILE REFERENCE: 0380-PC2329US1  
7 <140> CURRENT APPLICATION NUMBER: US 10/017,471A  
8 <141> CURRENT FILING DATE: 2001-10-23  
9 <150> PRIOR APPLICATION NUMBER: US 60/242,561  
10 <151> PRIOR FILING DATE: 2000-10-23  
11 <160> NUMBER OF SEQ ID NOS: 19  
12 <170> SOFTWARE: PatentIn Ver. 2.1  
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14 <211> LENGTH: 18  
15 <212> TYPE: DNA  
16 <213> ORGANISM: Artificial Sequence  
17 <214> FEATURE:  
18 <215> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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35 <214> FEATURE:  
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42 <212> TYPE: DNA  
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file: C:\CRF4\Outhold\VsJ017471A.htm

3:14:03



## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,471A

DATE: 03/14/2003  
TIME: 11:34:58

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151 <211> LENGTH: 31
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155 <215> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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163 <210> SEQ ID NO: 12
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165 <212> TYPE: DNA
166 <213> ORGANISM: Streptomyces coelicolor
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169 cggatctcgc accctggctc ggtagacaag cggcatcgga accggcaatg cggtttgctc 120
170 gctcaggttg gctcgggag cagaattgat caaaactact gcttcgggca tgggtccccc 180
171 ccccaatga tctgatgcc agctgttctg tatgcgggaa cgttaagata cagactgagc 240
172 ggttttttt ctatcttcc cgggggagac atgaacaagg aggcaggcat ggccaagcag 300
173 caggcgaga tccgacggg gcagacgata ctggacggc cggcgccagg ctccgagaag 360
174 cagggtacc aactggccac gatcaccggag atcctcaagg t 401
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182 ccttggttca tctctccccc gggagagata gaaaaaaaac cgtcagttct gtatcttaac 180
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184 cagggtttt gatcaattct gggtccgat ccaactcgat cgaacaaaac gcattgcagg 300
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195 <212> TYPE: PRT
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200 1 5 10 15
201 Ile Glu Gln Thr Ala Leu Pro Val Pro Met Ala Leu Val His Arg Thr

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## RAW SEQUENCE LISTING

PATENT APPLICATION N: US/10/017,471A

DATE: 3-14-03

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217 <212> TYPE: PRT
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219 <400> SEQUENCE: 15
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222 Ala Ala Ala Gln Val Phe Glu Lys Gln Gly Tyr Gln Ala Ala Thr Ile
223
224 Thr Glu Ile Leu Lys
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227 <211> LENGTH: 215
228 <212> TYPE: PRT
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232
233 Ala Ala Ala Gln Val Phe Glu Lys Gln Gly Tyr Gln Ala Ala Thr Ile
234
235 Thr Glu Ile Leu Lys Val Ala Gly Val Thr Lys Gly Ala Leu Tyr Phe
236
237 His Phe Gln Ser Lys Glu Glu Leu Ala Leu Gly Val Phe Asp Ala Gln
238
239 Glu Pro Pro Gln Ala Val Pro Glu Gln Pro Leu Arg Leu Gln Glu Leu
240
241 Ile Asp Met Gly Met Leu Phe Cys His Arg Leu Arg Thr Asn Val Val
242
243 Ala Arg Ala Gly Val Arg Leu Ser Met Asp Gln Gln Ala His Gly Leu
244
245 Asp Arg Arg Gly Pro Phe Arg Arg Trp His Glu Thr Leu Leu Lys Leu
246
247 Leu Asn Gln Ala Lys Glu Asn Gly Glu Leu Leu Pro His Val Val Thr
248
249 Thr Asp Ser Ala Asp Leu Tyr Val Gly Thr Phe Ala Gly Ile Gln Val
250
251 Val Ser Gln Thr Val Ser Asp Tyr Gln Asp Leu Glu His Arg Tyr Ala
252
253 Leu Leu Gln Lys His Ile Leu Pro Ala Ile Ala Val Pro Ser Val Leu
254
255 Ala Ala Leu Asp Leu Ser Glu Glu Arg Gly Ala Arg Leu Ala Ala Glu
256
257 Leu Ala Pro Thr Gly Lys Asp
258

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,471A

DATE: 11-14-2003  
TIME: 12:34:37

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285 Ile Glu Gln Thr Ala Leu Pro Val Pro Met Ala Leu Val His Arg Thr
286      20      25      30
287 Arg Val Gln Asp Ala Phe Pro Val Ser Trp Ile Pro Lys Gly Gly Asp
288      35      40      45
289 Arg Phe Ser Val Thr Ala Val Leu Pro His Asp His Pro Phe Phe Ala
290      50      55      60
291 Pro Val His Gly Asp Arg His Asp Pro Leu Leu Ile Ala Glu Thr Leu
292      65      70      75      80
293 Arg Gln Ala Ala Met Leu Val Phe His Ala Gly Tyr Gly Val Pro Val
294      85      90      95
295 Gly Tyr His Phe Leu Met Thr Leu Asp Tyr Thr Cys His Leu Asp His
296      100      105      110
297 Leu Gly Val Ser Gly Glu Val Ala Glu Leu Glu Val Glu Val Ala Cys
298      115      120      125
299 Ser Gln Leu Lys Phe Arg Gly Gly Gln Pro Val Gln Gly Gln Val Asp
300      130      135      140
301 Trp Ala Val Arg Arg Ala Gly Arg Leu Ala Ala Thr Gly Thr Ala Thr
302      145      150      155      160
303 Thr Arg Phe Thr Ser Pro Gln Val Tyr Arg Arg Met Arg Gly Asp Phe
304      165      170      175
305 Ala Thr Pro Thr Ala Ser Val Pro Gly Thr Ala Pro Val Pro Ala Ala
306      180      185      190
307 Arg Ala Gly Arg Thr Arg Asp Glu Asp Val Val Leu Ser Ala Ser Ser
308      195      200      205
309 Gln Gln Asp Thr Trp Arg Leu Arg Val Asp Thr Ser His Pro Thr Leu
310      210      215      220
311 Phe Gln Arg Pro Asn Asp His Val Pro Gly Met Leu Leu Leu Glu Ala
312      225      230      235      240
313 Ala Arg Gln Ala Ala Cys Leu Val Thr Gly Pro Ala Pro Phe Val Pro
314      245      250      255
315 Ser Ile Gly Gly Thr Arg Phe Val Arg Tyr Ala Glu Phe Asp Ser Pro
316      260      265      270
317 Cys Trp Ile Gln Ala Thr Val Arg Pro Gly Pro Ala Ala Gly Leu Thr
318      275      280      285
319 Thr Val Arg Val Thr Gly His Gln Asp Gly Ser Leu Val Phe Leu Thr
320      290      295      300
321 Thr Leu Ser Gly Pro Ala Phe Ser Gly
322      305      310
344 <210> SEQ ID NO: 18
345 <211> LENGTH: 262
346 <212> TYPE: PRT
347 <213> ORGANISM: Streptomyces scolicolor

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/017,471A

DATE: 3/14/03

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